

9-28-05 Dct
J006 Rec'd PCT/PTO 26 SEP 2005
10/540227
Docket No.: 63573(50533)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
John S. Haurum et al.

Application No.: 10/540,227
Filed: June 21, 2005
For: METHOD FOR MANUFACTURING
RECOMBINANT POLYCLONAL
PROTEINS

Confirmation No.:
Art Unit: N/A
Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. A copy of an International Search Report citing eight of these references is also enclosed. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 63573(50533). A duplicate copy of this paper is enclosed.

Dated: September 23, 2005

Respectfully submitted,

By 
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Application No. (if known): 10/540,227

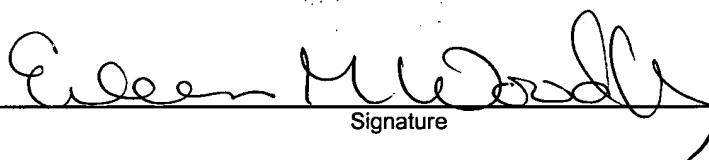
Attorney Docket No.: 63573(50533)

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Information Disclosure Statement (2 pages)
IDS (Citation) by Applicant (24 References) (2 pages)



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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

				Complete if Known
Application Number	10/540,227			
Filing Date	June 21, 2005			
First Named Inventor	John S. Haurum			
Art Unit	N/A			
Examiner Name	Not Yet Assigned			
Sheet	1	of	2	Attorney Docket Number 63573(50533)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA*	US-5,789,208	08-04-1998	Sharon		
AB*	US-5,677,177	10-14-1997	Wahl, et al.		
AC*	US-6,111,166	08-29-2000	van de Winkel		
AD*	US-4,959,317	09-25-1990	Sauer		
AE*	US-5,654,182	08-05-1997	Wahl, et al.		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
BA	WO-02/055718	07-18-2002				
BB	WO-02/44361	06-06-2002				
BC	WO-01/89563	11-29-2001				
BD	WO-00/11155	03-02-2000				
BE	WO-98/41645	09-24-1998				
BF	WO-01/07572	02-01-2001				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CA	E. Soderlind, et al., "Recombinant Germline-derived CDR Sequences for Creating Diverse Single-Framework Antibody Libraries", <i>Nature Biotechnology</i> 18:852-856 (2000).		
CB	Y. Kuroiwa, et al., "Cloned Transchromosomal Calves Producing Human Immunoglobulin", <i>Nature Biotechnology</i> 20:889-893 (2002).		
CC	M. Dreher, et al., "Colony Assays for Antibody Fragments Expressed in Bacteria", <i>Journal of Immunological Methods</i> 139:197-205 (1991).		
CD	R. Grabherr, et al., "The Baculovirus Expression System as a Tool for Generating Diversity by Viral Surface Display", <i>Combinatorial Chemistry & High Throughput Screening</i> 4:185-192 (2001).		
CE	C. Czernik, et al., "A Solid-Phase Enzyme-Linked Immunosorbent Assay for Enumeration of Specific Antibody-Secreting Cells", <i>Journal of Immunological Methods</i> 65:109-121 (1983).		
CF	S. Brezinsky, et al., "A Simple Method for Enriching Populations of Transfected CHO Cells for Cells of Higher Specific Productivity", <i>Journal of Immunological Methods</i> 277:141-155 (2003).		
CG	E. Verhoeven, et al., "Evaluation of Retroviral Vector Design in Defined Chromosomal Loci by Flp-Mediated Cassette Replacement", <i>Human Gene Therapy</i> 12:933-944 (2001).		
CH	P. Fuchs, et al., "Targeting Recombinant Antibodies to the Surface of Escherichia Coli: Fusion to A Peptidoglycan Associated Lipoprotein", <i>Biotechnology</i> 9:1369-1372 (1991).		
CI	M. Cull, et al., "Screening for Receptor Ligands using Large Libraries of Peptides Linked to the		

Examiner Signature	Date Considered
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PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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Sheet	2	of	2	Attorney Docket Number	63573(50533)

CJ	C Terminus of the lac Repressor", Proc. Natl. Acad. Sci 89:1865-1869 (1992). G. Boulot, et al., "Crystallization and Preliminary X-ray Diffraction Study of the Bacterially Expressed Fv from the Monoclonal Anti-lysozyme Antibody D1.3 and of its Complex with the Antigen, <u>Lysozyme</u> ", J. Mol. Biol. 213:617-619 (1990).
CK	E. Boder, et al., "Yeast Surface Display for Screening Combinatorial Polypeptide Libraries", Nature Biotechnology 15:553-557 (1997).
CL	C. Gorman, et al., "Site-specific Gene Targeting for Gene Expression in Eukaryotes", Biotechnology 11:455-460 (2000).
CM	S. Canfield, et al., "The Binding Affinity of Human IgG for its High Affinity Fc Receptor is Determined by Multiple Amino Acids in the Ch2 Domain and is Modulated by the Hinge Region", J. Exp. Med. 173:1483-1491 (1991).

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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